

JIS

JAPANESE INDUSTRIAL STANDARD

Design Standard for Nameplates

JIS Z 8304—1984

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Design Standard for Nameplates

Z 8304-1984

1. Scope

This Japanese Industrial Standard specifies the design standard for nameplates to be attached to machines and appliances.

Remark: The nameplates mentioned in this standard are those which have been marked with necessary information by indelible ways, made of metal, plastic or paper as materials.

2. Types, Symbols and Principal Materials Used

The types, symbols, and principal materials used of the nameplates shall be as given in Table 1.

Applicable Standards:

JIS G 4305-Cold Rolled Stainless Steel Plates and Sheets

JIS H 3100-Copper and Copper Alloy-Sheets, Plates, Strip and Coiled Sheets

JIS H 4000-Aluminium and Aluminium Alloy Sheets and Plates, Strip and Coiled Sheets

JIS H 4160-Aluminium and Aluminium Alloy Foils

JIS K 6718-Polymethylmethacrylate Sheets

JIS K 6735-Polycarbonate Sheets

JIS K 6745-Rigid Polyvinyl Chloride Plates

JIS Z 8202-Quantity Symbols, Unit Symbols and Chemical Symbols

JIS Z 8301-Style Manual for Japanese Industrial Standards

JIS Z 8601-Preferred Numbers

JIS Z 8903-Standard Type of Letters Used in Mechanical Engraving (Jōyō Kanji, Common-use Chinese Characters)

JIS Z 8904-Standard Type of Letters Used in Mechanical Engraving (Katakana Characters)

JIS Z 8905-Standard Type of Letters Used in Mechanical Engraving (Arabic Figures and Roman Types)

JIS Z 8906-Standard Type of Letters Used in Mechanical Engraving (Hiragana Characters)

Reference Standards:

JIS Z 8201-Mathematical Symbols

JIS Z 8203-SI Units and the Use of their Multiples and of Certain Other Units

Table 1. Types, Symbols and Principal Materials Used of Nameplates

Type		Sym- bol	Principal materials used	Reference	
				Manufacturing method	Characteristics
Etched name-plates		E	C 2801 P of JIS H 3100, SUS 304 and SUS 316 of JIS G 4305, and A 1080 P, A 1070 P, A 1050 P, A 1100 P and A 1200 P of JIS H 4000	Letters and figures are expressed by etching with chemicals. There are suitable for medium and small production.	These have solid feeling, and are superior in durability of letters, figures and colours. Multi-chromatic and precise expressions are difficult.
Alumite name-plates		A	A 1080 P, A 1070 P, A 1050 P, A 1100 P and A 1200 P of JIS H 4000, and A1N 30 H of JIS H 4160	Letters and figures are expressed by colouring the films produced by the anodic oxidation treatment. These are suitable for medium and small production.	Precise letters and figures are capable of being expressed. Colourful colouration having metallic luster can be obtained, and these are flat and smooth and are difficult to be stained.
Printed nameplates	Offset printed nameplates	O	A 1080 P, A 1070 P, A 1050 P, A 1100 P and A 1200 P of JIS H 4000 and A1N 30 H of JIS H 4160	Letters and figures are offset printed on the plates which have been painted with under coat, and then these are painted with top coat. These are suitable for mass production.	These are easy in multichromatic expression. These are inferior in abrasion resistance and solvent resistance.
	Screen printed nameplates	S	A 1080 P, A 1070 P, A 1050 P, A 1100 P and A 1200 P of JIS H 4000. C 2801 P of JIS H 3100, SUS 304 and SUS 316 of JIS G 4305. methacrylate sheet specified in JIS K 6718, polycarbonate sheet specified in JIS K 6735, rigid polyvinyl chloride plate specified in JIS K 6745 and A1N 30 H of JIS H 4160.	Printing ink is transferred to base material surfaces through screens. These are suitable for medium production.	Solid feeling is obtained due to swelling of the printing ink.